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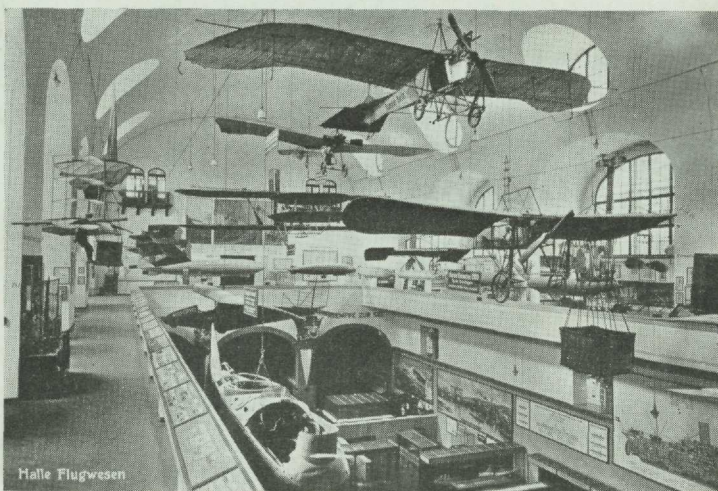
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# The Ohio State Engineer



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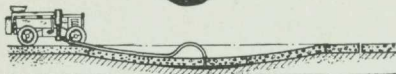
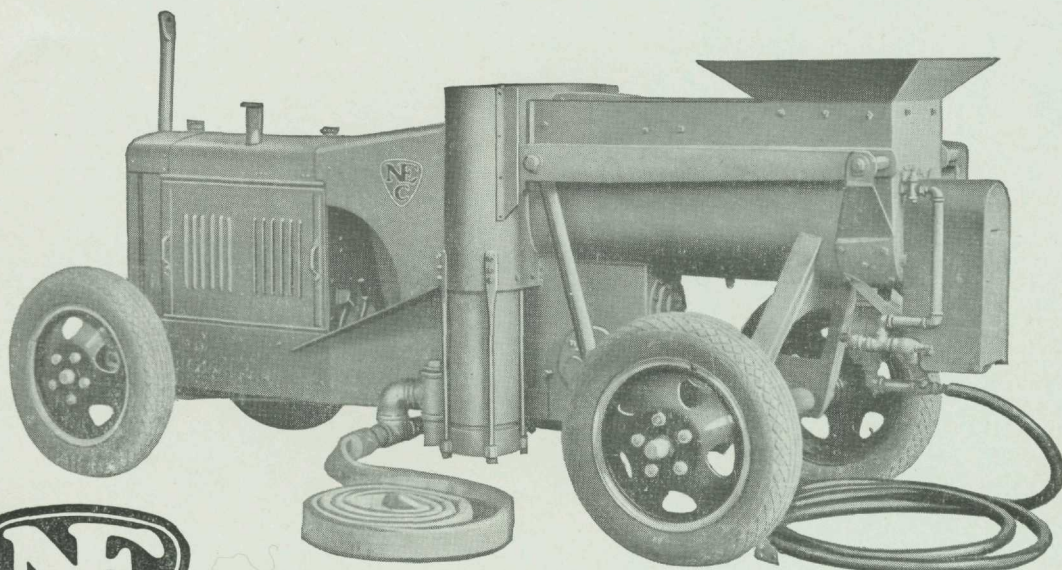


**MARCH 1932**

MEMBER OF ENGINEERING COLLEGE MAGAZINES ASSOCIATED



# MUD-JACK CORRECTS SETTLED PAVEMENTS



The principle of operation of the Mud-Jack is based upon the well known law of hydrostatics that "pressure is exerted with equal intensity in all directions". It is the same principle which is applied in the operation of hydraulic elevators or pneumatic lifts. A pressure of 1 lb. per sq. in. exerted by the machine is more than sufficient to raise the pavement. Higher pressures are sometimes necessary first to pry the slab loose from the sub-grade.



A SPECIAL combination mixer and pump, the Mud-Jack, has been developed by National Equipment Corporation for correcting settlements in rigid types of pavements. It mixes earth and water, with sufficient cement to take up the shrinkage, and then forces the mixture through holes drilled in the slab.

Without detouring traffic, the portable Mud-Jack brings the slab back to the original grade at a very small cost. Dips from 1" to 18" deep are corrected with equal ease—and future settlements can be corrected even more economically.

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The Mud-Jack, one of the many products built by National Equipment Corporation, reflects the continued progress of N. E. C. in highway machinery and N. E. C. leadership in engineering development.

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subscribe for next year's Engineer*

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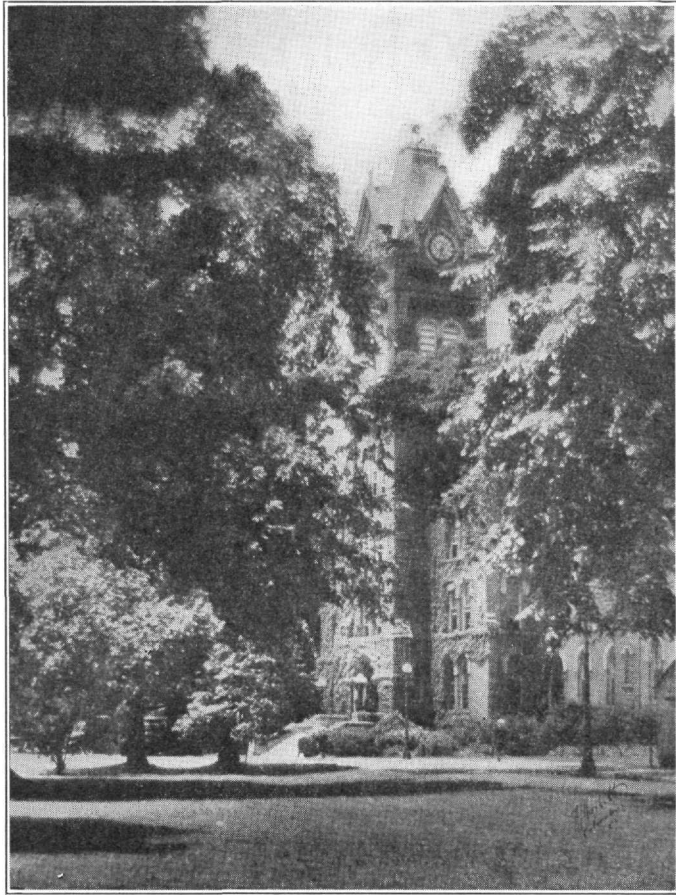
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